U.S. 40 ALT. IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION

GENERAL NOTES

1. ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT THE FINAL SIDEWALK OR CURB GRADE FOR CLOSED SECTIONS, HIGHEST ROADWAY PROFILE GRADE FOR OPEN SECTIONS, TO MEET CLEARANCES AS SPECIFIED IN MD 816.03, MD 818.01, MD 818.02, MD 818.04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL SIGNAL EQUIPMENT.
2. ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC ONLY AND MAY NOT BE COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING MISS UTILITY PRIOR TO THE CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN UTILITIES AND THE TRAFFIC SIGNAL WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY SO THAT THE CONFLICT MAY BE RESOLVED.
3. INSTALL CONDUIT PRIOR TO THE INSTALLATION OF PAVEMENT MARKINGS. REFER TO SIGNING AND PAVEMENT MARKING PLANS FOR ADDITIONAL DETAILS.
4. THE SIGNAL CONTRACTOR SHALL DETERMINE IF ANY WORK BY OTHER CONTRACTORS CAN NOT BE COMPLETED UNTIL INSTALLATION OF SIGNAL EQUIPMENT IS COMPLETE. THE SIGNAL CONTRACTOR SHALL NOTIFY OTHER CONTRACTORS OF THIS WORK.
5. THE VIDEO CAMERA LOCATION/ALIGNING SHALL BE COORDINATED WITH THE SHA ENGINEER.
6. FOR FINAL PAVEMENT MARKINGS REFER TO THE PAVEMENT MARKING PLANS, OTHER THAN THOSE DETAILED ON THE PLAN. ALL PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH MSHA STANDARDS.

EXISTING SIGNAL TO BE RELOCATED (SHOWN AT FINAL LOCATION)

1

12"/8"

EXISTING SIGNALS

2 3-7

12" 12"

EXISTING SIGN TO BE RELOCATED (SHOWN AT FINAL LOCATION)

11a,11b

Long Dr.

D-3(1) (VARIABLE x 16")

EXISTING SIGN TO BE REMOVED

10

LEFT TURN YIELD ON GREEN

R10-12 (36' x 42")

PROPOSED SIGNALS HEADS (LED)

8,9

16" LED COUNTDOWN PEDESTRIAN SIGNAL HEAD

PROPOSED VIDEO DETECTION CAMERA

A,B

VIDEO DETECTION ZONE

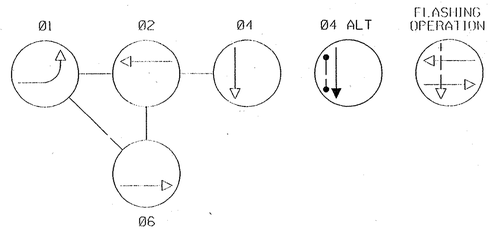
A

PROPOSED SIGNS

13 12

R10-3(1) 9" x 15" R10-3(1) 9" x 15"

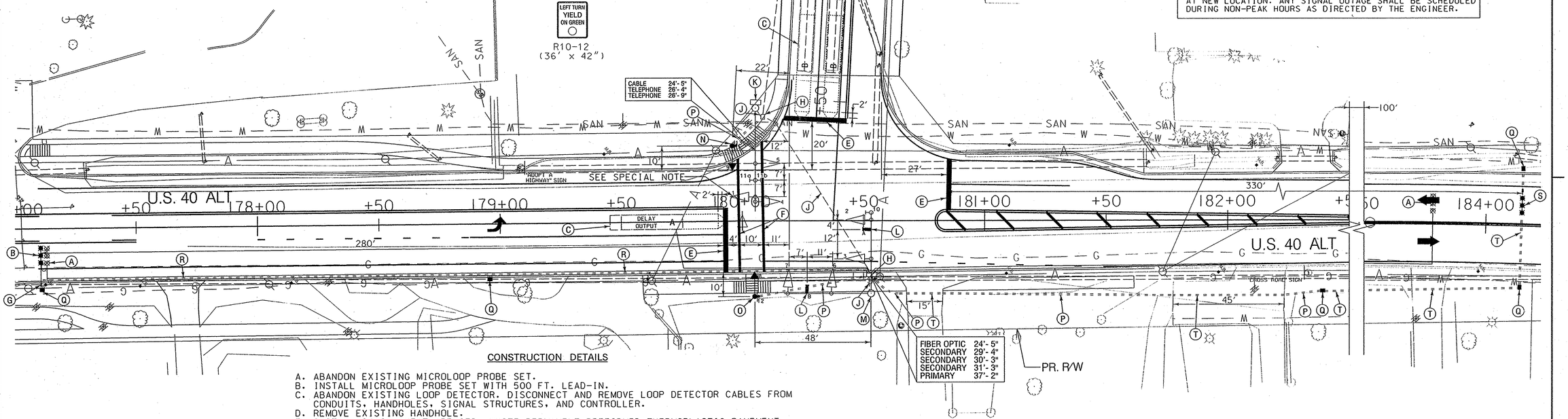
NEMA PHASING



NOTE:
PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY.
PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.

SPECIAL NOTE:

DISCONNECT EXISTING ELECTRICAL CABLES FROM EXISTING SIGNAL HEAD AND RECONNECT EXISTING ELECTRICAL CABLES AT NEW LOCATION. ANY SIGNAL OUTAGE SHALL BE SCHEDULED DURING NON-PEAK HOURS AS DIRECTED BY THE ENGINEER.



CONSTRUCTION DETAILS

A. ABANDON EXISTING MICROLOOP PROBE SET.
B. INSTALL MICROLOOP PROBE SET WITH 500 FT. LEAD-IN.
C. ABANDON EXISTING LOOP DETECTOR. DISCONNECT AND REMOVE LOOP DETECTOR CABLES FROM CONDUITS, HANDHOLES, SIGNAL STRUCTURES, AND CONTROLLER.
D. REMOVE EXISTING HANDHOLE.
E. INSTALL 24 IN. HEAT APPLIED, WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING FOR STOP LINE.
F. INSTALL 12 IN. HEAT APPLIED, WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING FOR CROSSWALKS.
G. INSTALL 1 IN. LIQUID-TIGHT FLEXIBLE NON-METALLIC ELECTRICAL CONDUIT (DETECTOR WIRE SLEEVE).
H. USE EXISTING HANDHOLE.
J. USE EXISTING CONDUIT.
K. USE EXISTING STEEL POLE AND POLE MOUNTED CABINET AND CONTROLLER AND INSTALL AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON BASE UNIT. SHA FORCES TO INSTALL VIDEO INTERFACE EQUIPMENT.
L. USE EXISTING MAST ARM AND INSTALL VIDEO DETECTION CAMERA AS NOTED.
M. USE EXISTING STEEL POLE.
N. INSTALL CONCRETE FOUNDATION WITH 10 FT. STEEL PEDESTAL POLE WITH BREAKAWAY BASE WITH COUNTDOWN PEDESTRIAN SIGNAL HEAD, AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON INSTALLED WITH VIBRATING ARROW POINTING LEFT, AND R10-3(1) SIGN. (SIGN TO READ "PUSH BUTTON TO CROSS NATIONAL HIGHWAY"). (INSTALL 1-3 IN. SCHEDULE 80, 90 DEGREE PVC ELECTRICAL CONDUIT BENDS IN PEDESTAL BASE).
O. INSTALL CONCRETE FOUNDATION WITH 10 FT. STEEL PEDESTAL POLE WITH BREAKAWAY BASE WITH COUNTDOWN PEDESTRIAN SIGNAL HEAD, AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON INSTALLED WITH VIBRATING ARROW POINTING RIGHT, AND R10-3(1) SIGN. (SIGN TO READ "PUSH BUTTON TO CROSS NATIONAL HIGHWAY"). (INSTALL 1-3 IN. SCHEDULE 80, 90 DEGREE PVC ELECTRICAL CONDUIT BENDS IN PEDESTAL BASE).
P. INSTALL 3 IN. SCHEDULE 80, POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED).
Q. INSTALL HANDHOLE.
R. INSTALL 3 IN. SCHEDULE 80, POLYVINYL CHLORIDE ELECTRICAL CONDUIT (SLOTTED).
S. INSTALL NON-INVASIVE MICROLOOP PROBE SET WITH 500 FT. LEAD-IN IN PROPOSED 3 IN. CONDUIT.
T. INSTALL 3 IN. SCHEDULE 80, POLYVINYL CHLORIDE ELECTRICAL CONDUIT (BORED).

SPECIAL NOTES:

1. INSTALL HANDHOLE WITH LONG DIMENSION PERPENDICULAR TO TRAVEL WAY FOR INSTALLATION OF NON-INVASIVE PROBES. EXTEND CONDUIT A MINIMUM OF 2 IN. AND MAXIMUM OF 3 IN. INTO HANDHOLE.
2. THE TACTILE ARROWS FOR THE AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTONS SHALL BE LOCATED PARALLEL TO THE CROSSWALK FOR WHICH THEY APPLY.
3. CONTRACTOR SHALL COORDINATE INSTALLATION OF CAMERAS TO OCCUR BEFORE MILLING OF EXISTING LOOP DETECTORS.

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410-235-3450

BY: JRASMUSSEN

APPROVALS	REVISIONS
TEAM LEADER	
ASST. DIV. CHIEF	
DIVISION CHIEF	A PED INDICATIONS ADDED ACROSS U.S. 40 ALT. CONTRACT NO. AL8815184 4/1/05 JR NML
OFFICE DIRECTOR	

ORIGINAL ON FILE

PLOTTED: 10/30/2006
FILE: N:\3149218\CADD\PSG-P001_US40ALT.DGN

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
US 40 ALT AND LONG DRIVE
(LAVALE, MD)

TRAFFIC SIGNALIZATION PLAN

SCALE 1" = 20' DATE OCTOBER 2006 CONTRACT NO. AL8815184

DESIGNED BY M.A. MEARS
DRAWN BY J. DIRNDORFER
CHECKED BY D. DISTANCE
F.A.P. NO. SEE TITLE SHEET

COUNTY ALLEGANY
LOGMILE 08.97
T.I.M.S. NO. G972
TOD NO.

DRAWING NO. TS-3149A-TSP-1 OF 4 SHEET NO. 43 OF 129